



20-25-30-H. P.
EVAPORATIVE CONDENSER
PACKAGED
AIR CONDITIONERS

MODELS
2620
2625
2630

**Factory Engineered and Fabricated
for Efficiency and Long Life**

SPECIFICATIONS

FRAMES—Frames are constructed of heavy angle iron fabricated and electric welded into a rigid frame assembly to properly support the various component parts. Outside casing made of 16 gauge template. The entire frame assembly is prime coated and painted with a corrosion resistant paint.

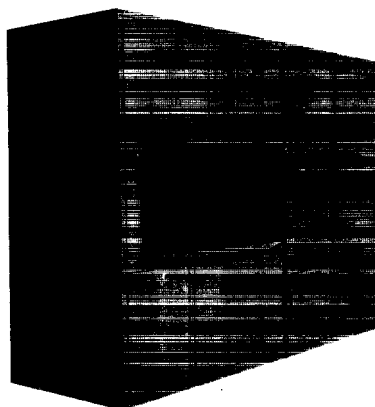
COMPRESSORS—Freon 22.—Two compressors and two complete refrigerant circuits in each unit. Model 2620 has two 10 h.p. compressors; Model 2625 has one 10 h.p. and one 15 h.p. compressor; Model 2630 has two 15 h.p. compressors. All compressor motors are 3500 RPM direct drive, suction gas cooled, sealed in crankcase. Crankcase main bearings are steel backed babbit and have full pressure lubrication. Crankshaft is surface hardened on main bearing areas and crankshaft assembly is dynamically balanced. Suction and discharge valves are non-flexing ring type, wear resistant, designed for high speed operation. Double rubber mountings support the sealed compressor. Hot gas connection to compressor is made with flexible coupling to assure quiet operation.

FIVE YEAR COMPRESSOR WARRANTY

Group 125 mandatory except for Government and Export.

BLOWERS—All units are built with size 13 $\frac{3}{8}$ DWDI forward curved centrifugal 17 $\frac{7}{8}$ diameter wheels and No. 16 gauge volute scrolls. Wheels and scrolls are hot dipped galvanized and the scrolls are coated with asphalt mastic. 1750 RPM motors with "V" belt drives are used on all units. Fan bearings have oil reservoirs mounted on outside of casing. Blower section is fully insulated with $\frac{1}{2}$ " insulation on standard units. These units have vertical discharge and are designed to be changed to rear horizontal discharge in the field, if desired, by lifting blower assembly and the motor as one unit, and turning end for end then bolting to the back of the unit. No bearing, motor base, belt changes are necessary; also no sheet metal cutting or fitting necessary. Front horizontal discharge is available on special order at extra cost. Oversize motors are available as an option.

EVAPORATIVE CONDENSER—Highly efficient all prime surface copper tube, with ample flooding nozzles and high rate of water per ton. The air discharge is the same arrangement as the unit air handling section with interchangeable vertical and back horizontal discharge, 1750 RPM motor with "V" belt drive for the fan. A motor pump of ample capacity is mounted in the compressor compartment. The separate motor pump facilitates the use of head pressure control which is available as an option. The fan bearing oil reservoirs are located outside of the unit for easy accessibility. The fan and pump motor starters are mounted on the unit control panel and are completely factory wired. Two liquid receivers are furnished with the evaporative condenser and



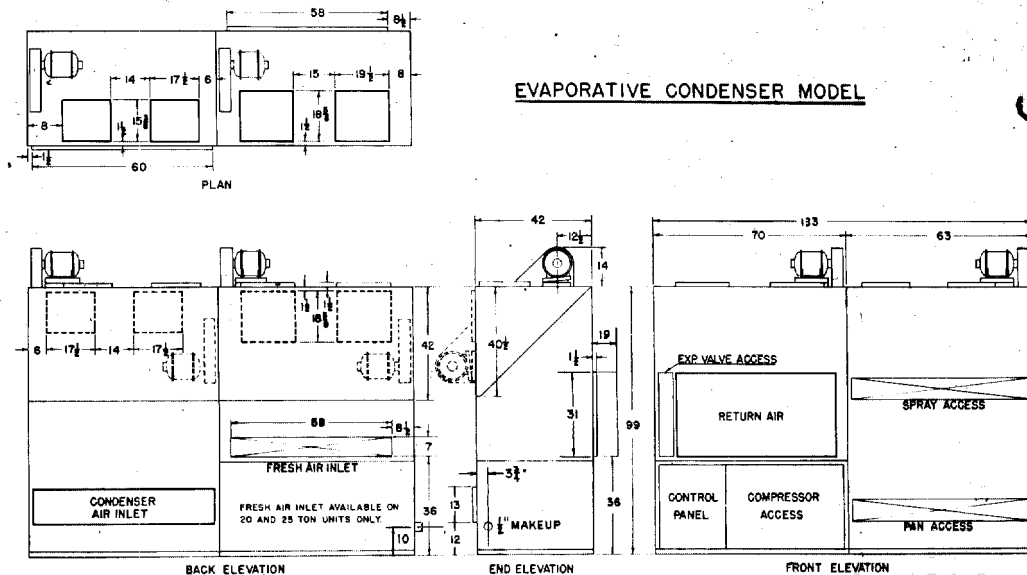
are ASME approved, with purge, relief and charging valves for each circuit. Both liquid lines have bullseye sight glasses and drier strainers. The discharge lines are provided with mufflers for quiet operation.

CONTROLS AND ELECTRICAL—A 3 position (off-fan-cooling) switch and a sequence toggle switch are mounted so as to be accessible from the outside front of the unit. All access doors to component parts and controls are in the front to facilitate installation in corners, or enclosing the ends or back. Across-the-line starters, relays and high-low pressure cut-out switches are factory mounted and wired with terminal connections provided for one 3 phase connection. Provision is made for thermostat connections. Wall and duct mounted thermostats are available as an option. Standard unit is 220 volt, 3 phase, 60 cycle. Other voltages or frequencies available on special order. Available as an option is a time delay relay to insure the starting of the second compressor after the first compressor is in operation.

COILS—All units are supplied with 4 row, two circuit coil, using copper tubes with 10 aluminum fins per inch, two expansion valves and distributors. There is sufficient space for 1 or 2 row reheat steam or hot water coils which are available as an accessory. The coils have a total of 16.1 sq. ft. face area except Model 2630, which has 17.25 sq. ft. face area. Coils are mounted in a condensate drain pan.

OPTIONAL ITEMS—One or two row reheat steam coil 7 fin non-freeze and hot water coils. Wall mounted or duct mounted thermostats. Cleanable permanent type hi-velocity filters and frames. Front horizontal discharge. Head pressure control. Two inch insulation for outdoor installation. Water regulating valves. Cooling Tower starter. Cooling Towers.

GENERAL—All units are weatherproof for outdoor installation. Units are completely dehydrated, leak tested and shipped with a holding charge of Freon 22. Factory inspected and tested. Crated and skidded for shipment.

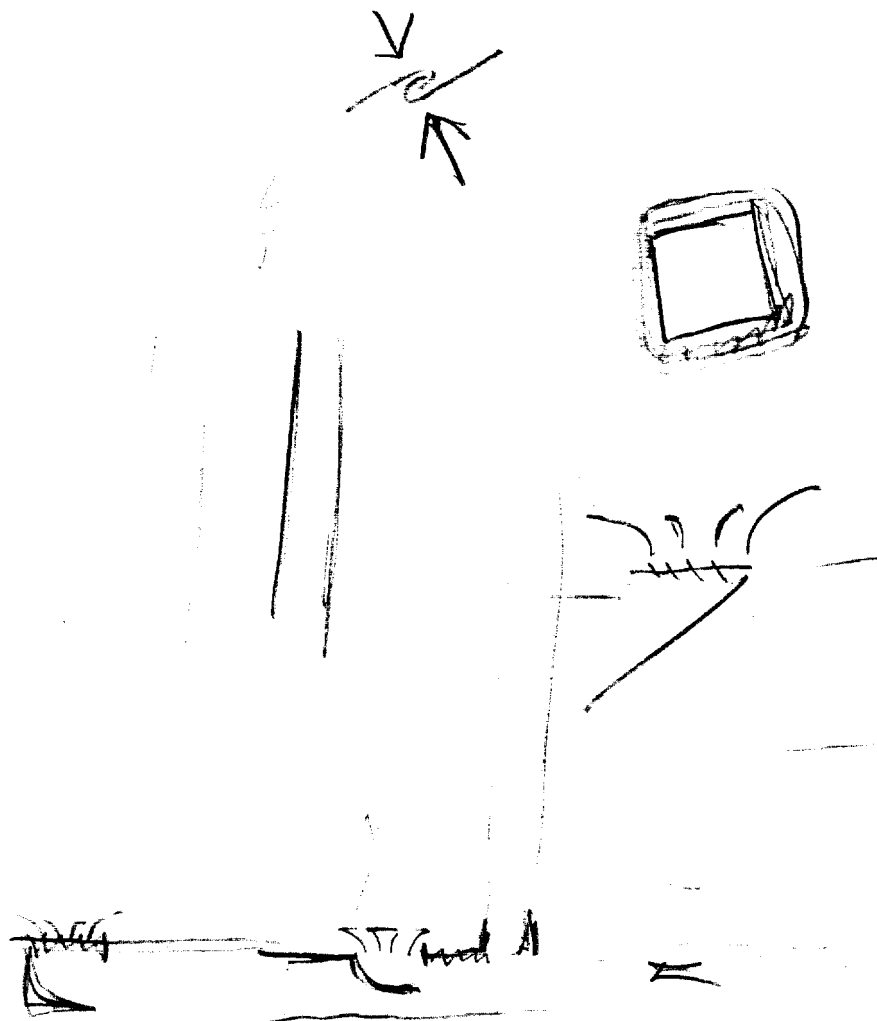


**COIL
CAPACITY DATA***

MODEL NO.	FAN H.P.	C.F.M.	TONNAGE	FACE VEL.	INLET COND. °F.	OUTLET COND. °F.	APPROX. WEIGHT
2620	2	7000	21.7	435	78DB-65WB	52 WB	7390
		7000	22.6	435	80DB-67WB	54 WB	
		7000	23.7	435	84DB-70WB	57 WB	
		8750	22.5	545	78DB-65WB	54.5WB	
		8750	23.6	545	80DB-67WB	56.3WB	
		8750	24.9	545	84DB-70WB	59.4WB	
2625	3	8750	24.45	545	78DB-65WB	53.1WB	7510
		8750	25.80	545	80DB-67WB	55.2WB	
		8750	27.60	545	84DB-70WB	58 WB	
		10000	25.11	620	78DB-65WB	54.7WB	
		10000	26.6	620	80DB-67WB	56.5WB	
		10000	27.90	620	84DB-70WB	59.7WB	
2630	3	8750	27.3	505	78DB-65WB	52 WB	7710
		8750	28.5	505	80DB-67WB	53.9WB	
		8750	30	505	84DB-70WB	56.9WB	
		10000	28.1	570	78DB-65WB	53.5WB	
		10000	29.9	570	80DB-67WB	55 WB	
		10000	31	570	84DB-70WB	58.2WB	
		12000	29.2	695	78DB-65WB	55.2WB	
		12000	30.2	695	80DB-67WB	57.1WB	
		12000	32.1	695	84DB-70WB	60.2WB	

*Based on series 150-4R -10 AF Coil, 105°F. condensing and 90% Rel. Hum. off Coil

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